

JPW

Docket Number: 071469-0305915

Client Reference: RAJ-008

PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

HIDEAKI YAMASAKI, et al.

Group Art Unit: 2813

Application No.: 10/673,646

Examiner: Thanh Nguyen

Filed: September 30, 2003

Confirmation No.: 1161

For: METHOD OF FORMING A METAL LAYER USING AN INTERMITTENT  
PRECURSOR GAS FLOW PROCESS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

THIS IS NOT A RESPONSE TO THE OUTSTANDING OFFICE ACTION, DATED  
SEPTEMBER 22, 2004.

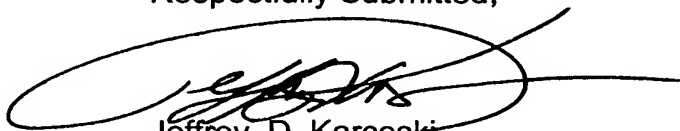
Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. As this application is being filed after June 30, 2003, no copies of the cited U.S. patent/patent applications are enclosed. However, one copy of each foreign and non-patent reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the references have been considered, per MPEP § 609.

I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR 1.97(e)(1). These references were cited in an International Search Report, dated December 22, 2004, in a corresponding international application. Two of these references, U.S. Patent No. 5,306,666 and International

Application No. WO 03/029515 A2, were filed with the above-referenced application on September 30, 2003 and are not included with this submission.

An English-language abstract is provided for WO 2004/042112, and is relied upon for a statement of relevance for that reference.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Jeffrey D. Karceski', is written over a large, loopy oval shape.

Jeffrey D. Karceski  
Registration Number 35914  
Customer Number: 00909

Date: January 10, 2005

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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number	10/673,646
Filing Date	09/30/2003
First Named Inventor	HIDEAKI YAMASAKI
Art Unit	2813
Examiner Name	Thanh Nguyen
Attorney Docket Number	071469-0305915

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	US- 2003/0157760 A1	08-21-2003	XI et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	A	WO 2004/042112 A1	05-21-2004	HATANO et al.		
	B	WO 03/009360 A2	01-30-2003	BYUN		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO				<b><i>Complete if Known</i></b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/673,646
				Filing Date	09/30/2003
				First Named Inventor	HIDEAKI YAMASAKI
				Art Unit	2813
				Examiner Name	Thanh Nguyen
				Attorney Docket Number	071469-0305915
Sheet	1	of	1		

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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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